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in an exhaust pipe; and wherein said reducing agent is injected by said plasma injector according to any one of claims 1 to 7.

7. The exhaust gas purifying system according to  
5 claim 6, wherein said catalyst is a NO<sub>x</sub> purifying catalyst.

8. (deleted)

9. A method for injecting a reducing agent,  
comprising injecting a reducing agent in a liquid drop  
10 state, and then at least partially converting the  
reducing agent injected in a liquid drop state into a  
plasma to vaporize the reducing agent.